



RUTHERFORD LIBRARY



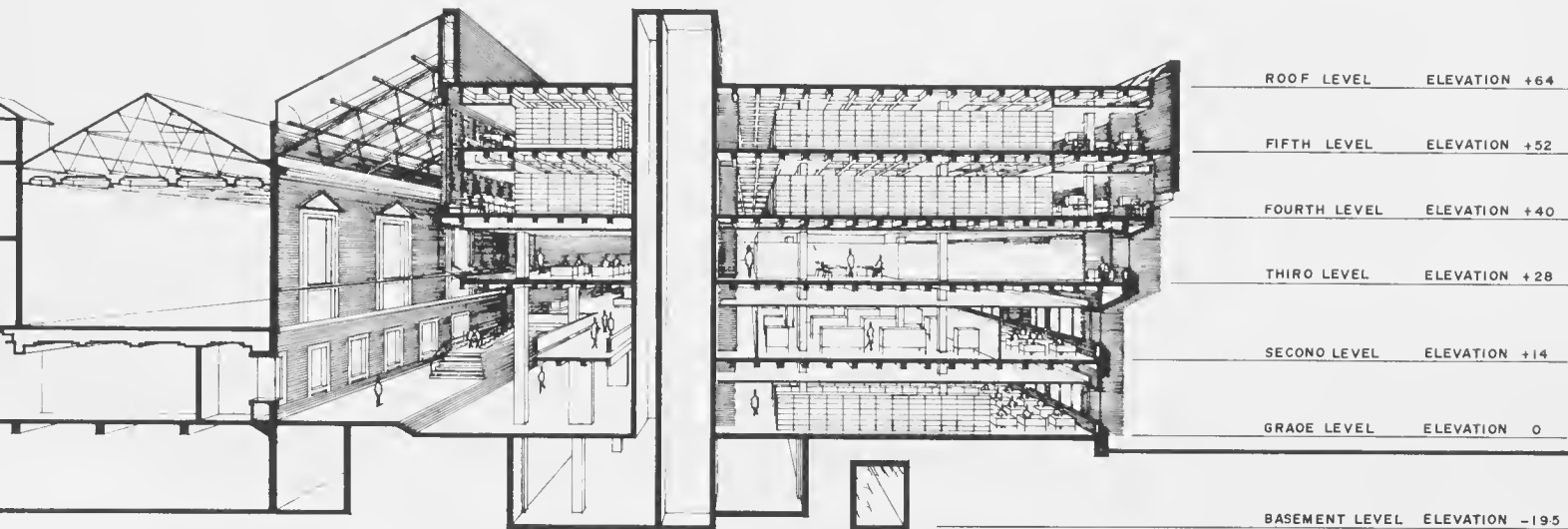
North Facade, Rutherford Library



Humanities and Social Sciences

RUTHERFORD NORTH

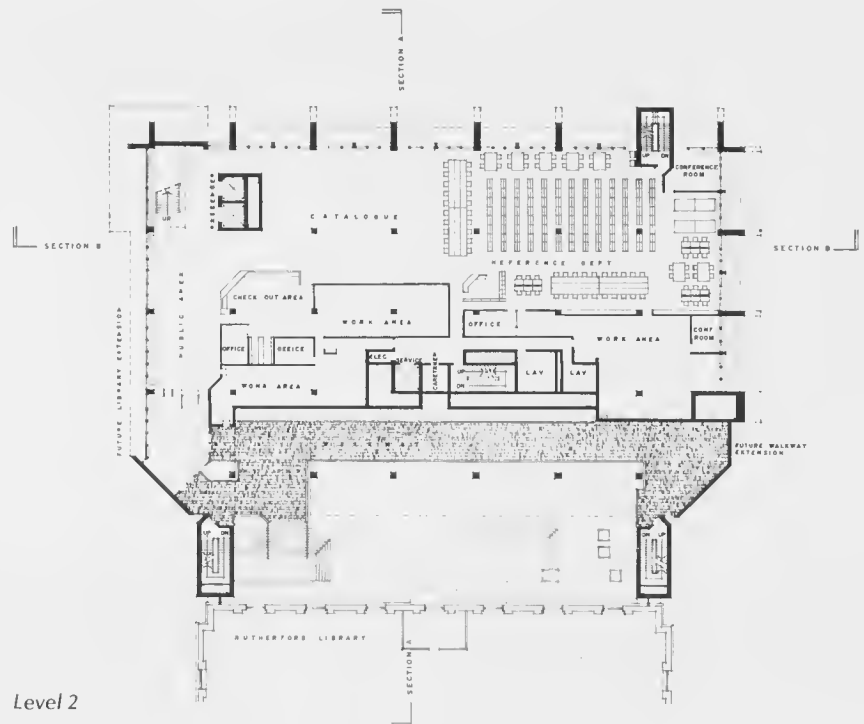
The new Rutherford Library North has provided a much needed home for the Humanities and Social Sciences Collection. However, not all of the Humanities and Social Sciences Library is in the same area, as specialized services such as Micromaterials, Documents, Special Collections, etc., could not be accommodated. These collections will have to wait for Phase II of the building.



EXTERNAL DESCRIPTION

The exterior of the building was designed to blend with the adjacent neo-classical Arts Building, the original Rutherford Library, and the Students' Union Housing Project to the east. The dominant material is brick, matching the brick of the old buildings. Facings are of precast concrete with colour and texture similar to the stone work on the Arts Building and Rutherford Library South.

The height of the building was carefully calculated at five levels so that it would not dominate its neighbours, but it does not lose its individual styling. The upper floors are the largest with a gradual tapering down to the lower levels. The exterior glass areas are limited to indirect positioning on the stack floors in order to eliminate direct sun radiation and excessive heat loss during the winter. The first



Level 2

Circulation and Reference, Level 2





Architect J. Vaitkunas pointing out features of the building

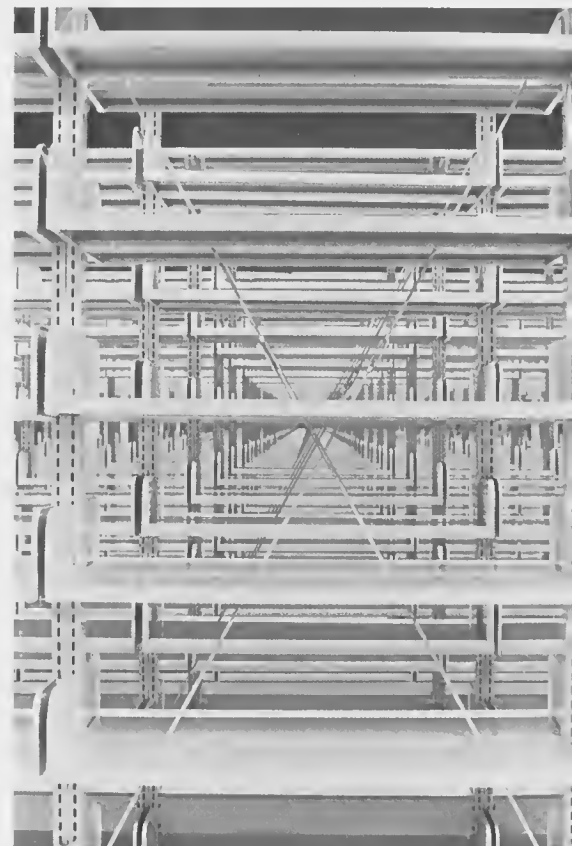


Book Move

three levels contain a somewhat greater concentration of fenestration, due to encouragement of the splendid views of the quadrangle immediately north with its growth of specimen trees. The windows are shaded and screened by broad overhangs and vertical projections.

GALLERIA

The galleria is the most striking feature of the complex, clearly illustrating the skill of the architect in preserving the facade of the older Rutherford Building. In many respects, it actually enhances the view, as in effect it places the modified Georgian style on display. The front of the original Rutherford building was copied from Hampton Court Palace.



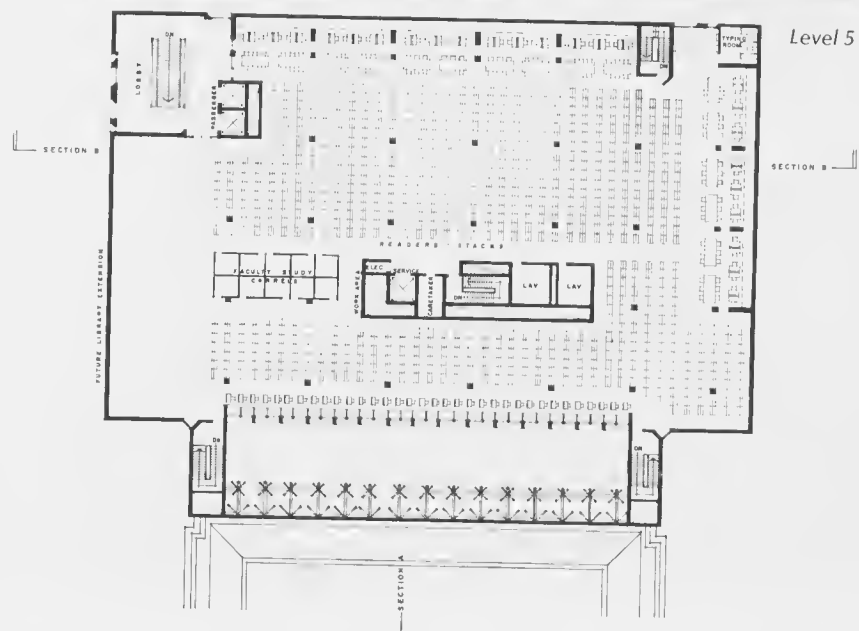


WALKWAY

The public entrance, the Union Catalogue, and the Circulation and Reference Departments are all on the second level, making it in effect, the "Main Floor". This is due to the location of the elevated pedestrian walkway. Such a solution establishes a desirable single control point and an efficient movement of pedestrian traffic off the "Plus 15" pedestrian walkway system being used through the entire campus to connect all buildings.

SITING

The University long-range development plan indicated that the presently dispersed library buildings be eventually interconnected. As a result, Rutherford Library North is the first stage of an overall library development plan designed for future expansion. It is situated immediately to the north of the old Rutherford Building in a location affording great potential for extremely attractive exterior landscaping. It is also close to the new Humanities and Fine Arts Centres.





INTERNAL DESCRIPTION

As mentioned before, the second level contains the Circulation Department, the Reference Department, and the Union Catalogue. The upper three floors are stack areas with the third floor having the Selections office plus a large lounge area. The Reader areas are positioned at peripheral allocations on the stack floor levels with a variety of reader space provided to accommodate variant needs. All of these areas are suitably carpeted, which to some might appear to be a luxury, but it is more economical, and it also provides sound absorbing material for readers located near the traffic areas.

The lighting in the stacks is suspended from the ceiling, hanging directly between the ranges to provide maximum illumination. There are no ceiling tiles, the structural beams above are simply sprayed a flat black, resulting in a considerable saving without detriment to appearance.

The teak staircase, the Spanish oak stack panels, alternating brick and pebbled concrete interiors, and the gold/green carpeting produce a warm and harmonious interior, which is rarely achieved in many modern buildings. The user may be surprised to note that the main staircase does not continue down to Level I, as this floor was planned to be converted to a processing department with the advent of Phase II.



STATISTICS

Gross area	— 137,500 sq. ft.
Net area	— 100,110 sq. ft.
Cost of Building	— \$3,017,085
Cost per sq. foot	— \$21.94
Stacks area	— 61,600 sq. ft.
Reader area	— 18,500 sq. ft.
Seating capacity	— 695
Book capacity	— 750,000

In the United States and Canada a total of seventeen academic libraries were completed for the

year 1973. Comparing statistics for the Rutherford North Building with other construction reveals the second lowest cost per square foot with a high percentage of assignable space and book capacity. This was achieved only through careful planning and co-operation between the Architect, Mr. J. Vaitkunas; the Campus Development Office and Library Staff.



Rutherford South







The Galleria

PRIME CONSULTANT:

GENERAL CONTRACTOR:
STRUCTURAL ENGINEERS:

MECHANICAL ENGINEERS:
ELECTRICAL ENGINEERS:

Mr. J. Vaitkunas
Minsos, Vaitkunas, Jamieson
Harsim Construction
Whittaker, Laviolette, Leckie
& Co. Ltd.
Vinto Engineering Ltd.
Jarvis Engineering Ltd.

